



1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa02ATEX0258**

4 Equipment or Protective System: **DSX Mk II ADSU**

5 Manufacturer: **DIKTRON DEVELOPMENTS LTD**

6 Address: **The Green, Castle Bromwich, Birmingham, B36 9AJ, England**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa (2001) Ltd. Notified body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **02(C)0385**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014:1997 + Amendments 1 & 2 EN 50020:2002

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

⊕ II 2 G EEx ia IIC T4

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa (2001) Ltd. Customer Reference No. **0291**

Project File No. **02/0385**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



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Schedule

14

Certificate Number Baseefa02ATEX0258

15 **Description of Equipment or Protective System**

The DSX Mk II ADSU (Automatic Distress Signal Unit) is a portable battery powered unit designed to produce a high level audio alarm when activated either intentionally by a switch or automatically by absence of motion. Power is supplied from a Duracell MN1604 9V battery and the supply is switched on and off by a magnetically operated reed switch. The printed circuit board, piezoelectric sounders and the battery are all mounted within a plastic housing.

16 **Report Number**

02(C)0385

17 **Special Conditions for Safe Use**

None

18 **Essential Health and Safety Requirements**

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 **Drawings and Documents**

Number	Sheets	Issue	Date	Description
DSX2000A	1	Original	01-07-2002	PCB 1072002 Component Layout
DSX2001A	1	Original	01-07-2002	PCB 1072002 Component Side
DSX2002A	1	Original	01-07-2002	PCB 1072002 Bottom Track Side
DSX2003A	1	Original	01-07-2002	PCB 1072002 Circuit Diagram
DSX2004A	1	Original	01-07-2002	Diode Board Assembly
DSX2005A	1	Original	01-07-2002	PCB 21096 Diode Board Track Side
DSX2006A	1	Original	01-07-2002	PCB 1072002 Component List
DSX2007A	1	Original	01-07-2002	PCB 1072002 Details of L1 and L2
DSX2008A	1	Original	01-07-2002	PCB 21096 (See DSX2005A) Diode board and reed switch placement
DSX2009A	1	Original	01-07-2002	PCB 1072002 Component Side Insulative Coating of Components
DSX2010A	1	Original	01-07-2002	PCB 1072002 Bottom Track Side Insulative Coating of Components
DSX2011A	1	Original	01-07-2002	PCB 1072002 Component Track Side Insulative Coating of Components
DSX2012A	1	Original	01-07-2002	Assembly of Parts
DSX2013A	1	Original	28-10-2002	ATEX Label Details
DSX2014A	1	Original	28-10-2002	Sensor Housing